



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

1772.
JH

In re: Patent application of
Francis J. Bensur

Serial No.: 09/783,795

Filed: February 15, 2001

For: LAMINATE PACKAGING
MATERIAL

Group Art Unit:
1772

Examiner:
Not yet assigned

Attorney Docket No.:
9325-37 (148069)

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, submitted herewith are copies of the references listed below and on the accompanying Form PTO-1449.

This Information Disclosure Statement is being filed within three months of the filing of the above-identified application. 37 C.F.R. §1.97(b)(1). No certification, petition or fee are required.

The following references may be considered relevant to the present application.

U.S. Pat. No. 5,804,613 (Beall et al.) describes the preparation of exfoliated montmorillonite platelets.

**CERTIFICATE OF MAILING
UNDER 37 C.F.R. 1.8(a)**

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

BY

DATE:

E. Flocco
May 16, 2001

U.S. Pat. No. 5,763,028 (Matsumoto et al.) describes a retortable pouch made of a four-layer laminate. The package includes two outer plastic layers, an oxygen barrier, and an inner heat-sealable plastic layer such as polypropylene. Each of the outer two layers may be polyester or polyamide. The oxygen barrier is metal oxide. The metal oxide is used as an oxygen barrier instead of conventional aluminum foil. Adhesive is provided between the two outer plastic layers, and between the barrier layer and the heat-sealable layer. The adhesive may be a polyurethane adhesive or a photo-setting adhesive.

U.S. Pat. No. 5,747,560 (Christiani et al.) describes a composition of a layered material, which may be montmorillonite (see col. 7, line 2) in a thermoplastic matrix, which may be formed from an aliphatic isocyanate (hexamethylene diisocyanate, col. 17, line 10) and a diol (col. 17, lines 11-12).

U.S. Pat. No. 5,667,886 (Gough et al.) describes a packaging film including an oxygen barrier coating consisting of clay particles mixed with an organic binder, which may be a polyurethane (see col. 4, line 44). The clay may be chemically delaminated montmorillonite platelets (see col. 3, lines 6-7, 14-18, & 21). A heat-sealable layer may be applied to the surface of the barrier coating opposite the substrate.

U.S. Pat. No. 5,429,867 (McCarthy et al.) describes an antistatic coating for food packaging films that consists of synthetic clay mixed with an epoxy-ester binder. The coating is specifically proposed as an alternative to metalized coatings (see col. 5, lines 25-32).

U.S. Pat. No. 4,725,466 (Crass et al.) describes a co-extruded film in which an outer layer includes aluminum silicate platelets. The platelets are oriented parallel to the plane of the film, probably because the film is biaxially stretched after extrusion.

U.S. Pat. No. 4,653,640 (Akao) describes a packaging for photographic materials in which a light-shielding material (y - see col.10, line 62) may be included in an adhesive layer (see col. 10, lines 32-34).

U.S. Pat. No. 4,242,488 (Stanley et al.) describes the use of a solventless hot-melt urethane adhesive for laminating plastic films.

The following United States Patent references are considered to be of secondary interest or to be cumulative of those listed above:


2,531,396	4,739,007	5,102,948	5,662,983
2,886,550	4,786,558	5,190,997	5,670,226
3,170,833	4,803,035	5,221,568	5,772,819
3,753,761	4,810,734	5,436,073	5,919,547
4,173,480	4,868,152	5,506,310	5,989,696
4,220,490	4,874,728	5,523,338	5,997,732
4,352,858	4,889,885	5,527,616	6,013,363
4,374,939	4,906,517	5,571,614	6,025,058
4,528,235	5,008,139	5,580,630	6,051,193
4,618,528	5,041,330	5,585,129	
4,659,785	5,091,462	5,654,085	

The Examiner is respectfully requested to review the above-references and make them of record in the instant application as required by M.P.E.P. §609.

Respectfully submitted,

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